1145-05-678   **Marie Meyer** and **Tefjol Pllaha*** (`tefjol.pllaha@gmail.com`). *Additive codes associated to Laplacian simplices.*

We start with necessary background from lattice polytope theory, and show that the lattice points of the fundamental parallelepiped of a simplex form an abelian group. We focus on a class of simplices introduced by Braun and Meyer, called Laplacian simplices. To a reflexive Laplacian simplex we associate an additive code, which we study in detail. We end with some interesting open problems. This is joint work with Marie Meyer. (Received September 12, 2018)